

Abstract of the Disclosure

ASYMMETRIC MOLD TREAD CONTOUR

By shifting the peak height of the tread on one side of the tire from the centerline (CL), for a tire intended for cambered use on a vehicle and/or exposure to lateral loading, improvements in the footprint shape, pressure distribution, area and footprint shape factor (FSF) are obtained. In an illustrated embodiment, 0.127 cm to 5 cm (deep) of mold material are removed from one side of the centerline (CL) of the crown in a conventional mold, at 15% to 85% of the distance from the centerline to the shoulder area of the mold (one-half inch to five and one-half inches in the illustrated tires), to obtain a mold shape having the designated change in tread peak height.

1000
900
800
700
600
500
400
300
200
100
0